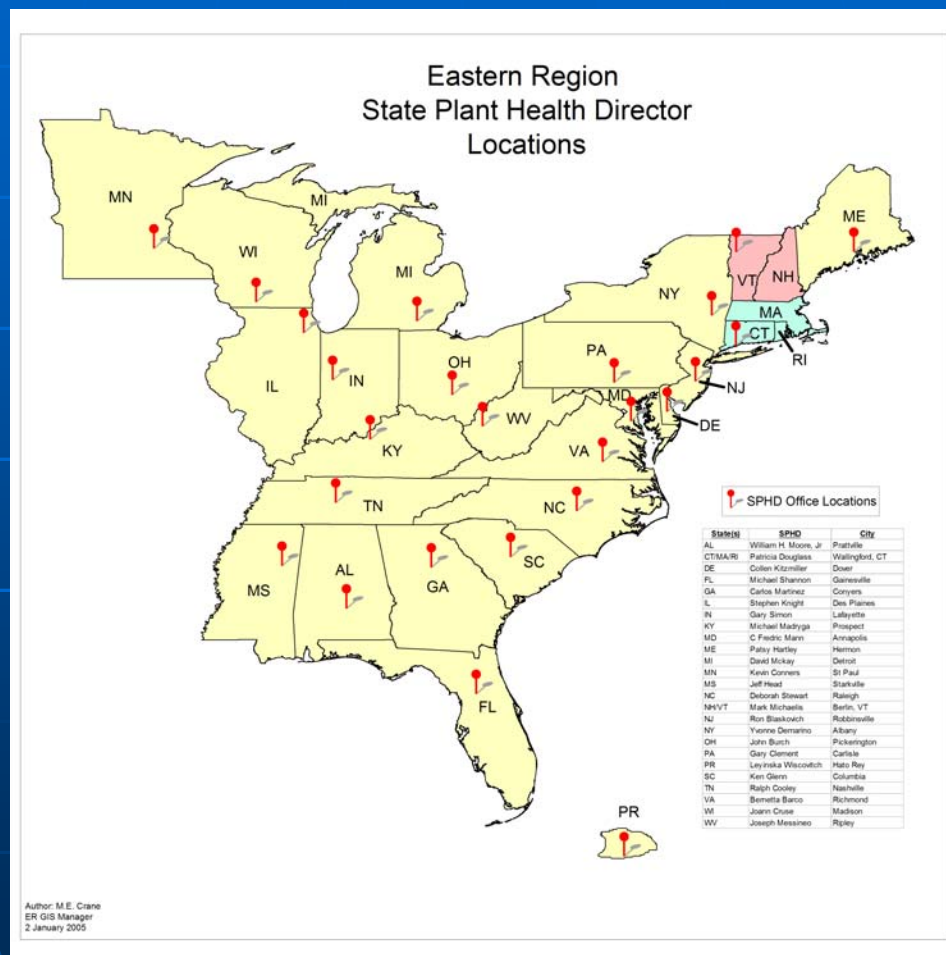


PPQ National GIS Program



How to Use GIS to Navigate the Gaylord Opryland Hotel and Bass Pro Shop

Mark "Is it Beer :30 Yet" Crane

Overview of National PPQ GIS Program

Mark E. Crane

ER Data Manager/GIS Coordinator

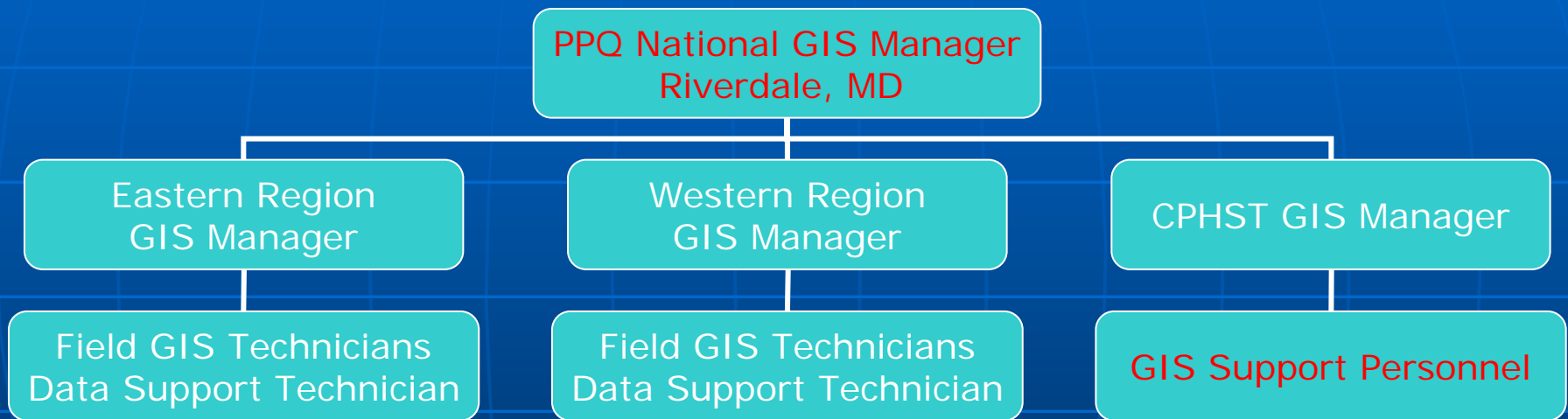
Overview

- What is GIS in a Nutshell
- PPQ GIS Organizational Structure
 - Regions and CPHST
- Personnel
- Roles and Responsibilities
 - Very dynamic
- GIS and ISIS

GIS In A Nutshell

- Geographic Information System
 - Geo – Earth
 - Information System – Data Storage
 - Database
 - Ask questions - query
 - Or,
 - Visual representation of the Earth
 - Spatial reference
 - Map
 - Software to produce Map
 - ESRI – ArcView 9.X

Organizational Structure



Red – Proposed Positions (Not Funded)

Personnel

- Eastern Region

- Regional GIS Manager
 - Raleigh, NC
- Field GIS Technicians
 - Robbinsville, NJ
 - Madison, WI
 - Conyers, GA
- Other – supporting emergency programs
 - Fruit Fly - FL
 - EAB - MI

Personnel

- Western Region
 - Regional GIS Manager
 - Ft Collins, CO
 - Field GIS Positions
 - Cheyenne, WY
 - Boise, ID
 - Phoenix, AZ
 - Austin, TX
 - Other – supporting emergency programs
 - Fruit Fly – Sacramento, CA

Personnel

- CPHST

- GIS Manager
 - Ft Collins – Tom Kalaris
- Field Positions -Proposed
 - Phoenix, AZ
 - Illinois
 - California
 - North Carolina
 - Florida

Roles and Responsibilities

■ Regions

- Day to Day Operational Activities
 - Collecting field data
 - Provide training for field operations
 - Primary point for technical support
 - Ensure FGDC compliant metadata
 - Archive field operations data
 - Create basic maps
 - Provide required data to CPHST for analysis

Roles and Responsibilities

■ Regions

- Emergency Programs

- Setup initial GIS support
- Collect field data
- Create basic maps for field and HQ's
- Provide training and technical support
- QA/QC data
- Develop Internet mapping applications and tools for data collection

Roles and Responsibilities

■ CPHST

- Day to Day Activities

- Assist and review database structure
- Assist with data QA/QC
- Ensure and support standard compliance
 - ISO and FGDC
- Archive analysis data (inputs and results)
- Assist in the development of training curriculum
- Develop tools for data summaries and reporting
- Identify new technologies

Roles and Responsibilities

■ CPHST

- Emergency Programs
 - Assist with initial database development
 - Analyze and predict spread
 - Assist with defining future surveys areas
 - Assist with identifying quarantine areas
 - Provide additional analysis to managers
 - Assist as needed in user training

ISIS and GIS

■ Is a **Winning Combination**

- Centralized storage of data
 - How many have had to track down data?
- Easy of use
 - Same format
- Easily imported into ArcGIS
 - Convert data into text or database file
 - Bring file into ArcGIS
 - Transform the data into x, y coordinates
 - Do symbology, analysis, add MrSid images

GIS Summary

- GIS
 - Computer generated maps
- Help is coming
 - Field specialist are being hired
- Well defined roles but are dynamic
- ISIS and GIS is a WINNER!